

# HEART BEAT/RESPIRATION MEASURING DEVICE

## Abstract

The invention provides a heart beat/respiration measuring device comprising a sensor 2 to be pressed by the human body, and a measuring circuit for measuring heart beats and respiration from the output of the sensor 2. The sensor 2 comprises a coil member elastically deformable when subjected to pressure by being pressed by the human body. The measuring circuit comprises an LC oscillation circuit 3 wherein an inductance component and a capacitance component of the coil member serve respectively as a coil L and a capacitor C for oscillation, and a calculation processing circuit 4 for detecting variations in the oscillation frequency of the LC oscillation circuit 3 and calculating a cardiac cycle, heart rate, respiratory cycle and respiration rate based on the frequency components of heart beats and respiration included in the variations.